

**TWO-MODE FOUNDATION FIELDBUS  
DEVICE CONFIGURATOR**

**ABSTRACT OF THE INVENTION**

5 A dual mode configurator operates in an off-line mode to configure Fieldbus  
devices and/or segments in a typical manner and operates in an on-line mode to  
reconfigure or set certain parameters of a device when the device is connected to a  
segment controlled by a different host, without interfering with the on-line operation  
of the segment. The dual mode configurator can be used to configure an entire  
segment by configuring both network settings and device settings and, alternatively,  
10 can be used to configure device settings without effecting or interfering with the on-  
line system configuration information such as the network settings of a segment when,  
for example, a different host device or configuration device is connected to the  
segment to implement process control activities or to make segment changes.